



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

10/623,567

Source:

FFW00

Date Processed by STIC:

11-19-04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebs/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):
U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04



IFWO

RAW SEQUENCE LISTING

DATE: 11/19/2004

PATENT APPLICATION: US/10/623,567

TIME: 10:41:17

Input Set : A:\CRF Sequence Listing.TXT

Output Set: N:\CRF4\11192004\J623567.raw

3 <110> APPLICANT: Seoul National University Industry Foundation
 5 <120> TITLE OF INVENTION: Method for stimulating wound healing
 7 <130> FILE REFERENCE: OP03-1017
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/623,567
 C--> 9 <141> CURRENT FILING DATE: 2003-07-22
 9 <150> PRIOR APPLICATION NUMBER: KR 2002-42858
 10 <151> PRIOR FILING DATE: 2002-07-22
 12 <160> NUMBER OF SEQ ID NOS: 7
 14 <170> SOFTWARE: KopatentIn 1.71
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 312
 18 <212> TYPE: PRT
 19 <213> ORGANISM: Homo sapiens
 21 <400> SEQUENCE: 1
 22 Met Ala Asn Asn Asp Ala Val Leu Lys Arg Leu Glu Gln Lys Gly Ala
 23 1 5 10 15
 25 Glu Ala Asp Gln Ile Ile Glu Tyr Leu Lys Gln Gln Val Ser Leu Leu
 26 20 25 30
 28 Lys Glu Lys Ala Ile Leu Gln Ala Thr Leu Arg Glu Glu Lys Lys Leu
 29 35 40 45
 31 Arg Val Glu Asn Ala Lys Leu Lys Lys Glu Ile Glu Glu Leu Lys Gln
 32 50 55 60
 34 Glu Leu Ile Gln Ala Glu Ile Gln Asn Gly Val Lys Gln Ile Ala Phe
 35 65 70 75 80
 37 Pro Ser Gly Thr Pro Leu His Ala Asn Ser Met Val Ser Glu Asn Val
 38 85 90 95
 40 Ile Gln Ser Thr Ala Val Thr Thr Val Ser Ser Gly Thr Lys Glu Gln
 41 100 105 110
 43 Ile Lys Gly Gly Thr Gly Asp Glu Lys Lys Ala Lys Glu Lys Ile Glu
 44 115 120 125
 46 Lys Lys Gly Glu Lys Lys Glu Lys Lys Gln Gln Ser Ile Ala Gly Ser
 47 130 135 140
 49 Ala Asp Ser Lys Pro Ile Asp Val Ser Arg Leu Asp Leu Arg Ile Gly
 50 145 150 155 160
 52 Cys Ile Ile Thr Ala Arg Lys His Pro Asp Ala Asp Ser Leu Tyr Val
 53 165 170 175
 55 Glu Glu Val Asp Val Gly Glu Ile Ala Pro Arg Thr Val Val Ser Gly
 56 180 185 190
 58 Leu Val Asn His Val Pro Leu Glu Gln Met Gln Asn Arg Met Val Ile
 59 195 200 205
 61 Leu Leu Cys Asn Leu Lys Pro Ala Lys Met Arg Gly Val Leu Ser Gln
 62 210 215 220
 64 Ala Met Val Met Cys Ala Ser Ser Pro Glu Lys Ile Glu Ile Leu Ala

Does Not Comply
 Corrected Diskette Needed
 (pg. 2) ↩

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Input Set : A:\CRF Sequence Listing.TXT

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```

65 225          230          235          240
67 Pro Pro Asn Gly Ser Val Pro Gly Asp Arg Ile Thr Phe Asp Ala Phe
68          245          250          255
70 Pro Gly Glu Pro Asp Lys Glu Leu Asn Pro Lys Lys Lys Ile Trp Glu
71          260          265          270
73 Gln Ile Gln Pro Asp Leu His Thr Asn Asp Glu Cys Val Ala Thr Tyr
74          275          280          285
76 Lys Gly Val Pro Phe Glu Val Lys Gly Lys Gly Val Cys Arg Ala Gln
77          290          295          300
79 Thr Met Ser Asn Ser Gly Ile Lys
80 305          310

```

83 <210> SEQ ID NO: 2

84 <211> LENGTH: 108

85 <212> TYPE: DNA

86 <213> ORGANISM: Artificial Sequence

88 <220> FEATURE:

89 <223> OTHER INFORMATION: probe for Southern blot

92 <400> SEQUENCE: 2

93 tgaatgaact gcaggacgag gcagcgcggc tatggtggct ggccacgacg ggcgttcctt

60

95 ggcagctgt gtcgacgtt gtcactgaag cggaaggac tggctgct

108

98 <210> SEQ ID NO: 3

99 <211> LENGTH: 1226

100 <212> TYPE: DNA

101 <213> ORGANISM: Artificial Sequence

103 <220> FEATURE:

104 <223> OTHER INFORMATION: probe for Southern blot

107 <400> SEQUENCE: 3

W- -> 108 agcttcgac catatgggag agctcccaac gcgttggatg catagcttga gnnnnnnnnnn

60

110 nnnnnnnnnnnnnnnnnnnnnn aattcaataa ggagactttt taaaaagata tttttatctt

120

112 aatgtgtgtg tgcctgcatt tgtgtgtatg caccattgcy tgcataccta gagcctgcag

180

114 aggctagaag aggggttcaa cctggaactg aggtacagg tgggtgttga gtatccacat

240

116 agatgctcgg aattaaacct gggttctcca gtcccaagga gactaaatat tttcaaagta

300

118 agcctgact ttgtactaca gtaaaataaa accactgtgg agtgactaat ataaaatagt

360

120 aagatgagct ctagattaac aggcataagt ttaagttttc agtattgtta aagtagcacc

420

122 atctccctaa agagaacctat atttattttc cttccagtct tctgtgtttc cctcttttgt

480

124 ttgaaagtgt agtgagtgtt tattttctct actgtgaaca caacatgaga caaactcagg

540

126 gattgtaaga gatcatggac ataaattact tttaggaacc tggcactcaa atgaaaatta

600

128 attagtgaac agttggcatg gcattttatt attaaccttg ggtggnnnnnnnnnnnnnnnnnnnnnnn

660

130 nnntaaactg cgtggtgatg atttgtgatt gcaagaagac atagatatga agctctgaac

720

132 aacagtgtcc aggcacatg tgaagaaaag gccctatgga ggggcaggag agcaggtgag

780

134 agcatcctaa tagaaattca gacagtgaag caagaagttg ttcacacagc ccacacagcc

840

136 tgttaagtgt tcttcactta aggtttgttg actgtaacca ccttttctaa agaaaacatt

900

138 aagaaaaaca taggtgtctg ttcgcttctt atttgcgtgt gtgattaaaa cgctgaccaa

960

140 aagcaacttg gctgaggagc cgtttttgta tttctcgtt taggtagcaa tgaagttgga

1020

142 gcaggaggaa ggggtgcttac aggttagctc tctgtctctc cttgagcaag cattcttgtg

1080

144 gtagctcagg actccctgca cagtgcacac ccacgtgctt cttcagggg acttcaaact

1140

146 actgtacacc ctttccttct gtcgaccata tgggagagct cccaacgcgt tggatgcata

1200

148 gcttgagtat nnnnnnnnnn agctt

1226

151 <210> SEQ ID NO: 4

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540

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780

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2180

2240

2300

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2540

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2660

2720

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10700

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13040

13100

13160

13220

13280

13340

13400

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13700

13760

13820

13880

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14000

14060

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14180

14240

14300

14360

14420

14480

14540

14600

14660

14720

14780

14840

14900

14960

15020

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15140

15200

15260

15320

15380

15440

15500

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15620

15680

15740

15800

15860

15920

15980

16040

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/623,567

DATE: 11/19/2004

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Input Set : A:\CRF Sequence Listing.TXT

Output Set: N:\CRF4\11192004\J623567.raw

```

152 <211> LENGTH: 30
153 <212> TYPE: DNA
154 <213> ORGANISM: Artificial Sequence
156 <220> FEATURE:
157 <223> OTHER INFORMATION: IF3 primer for PCR
160 <400> SEQUENCE: 4
161 gaggacaatg tgctccataa acactcactg
164 <210> SEQ ID NO: 5
165 <211> LENGTH: 27
166 <212> TYPE: DNA
167 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: IR3 primer for PCR
173 <400> SEQUENCE: 5
174 cgttacttaa gctagcttgc cacctac
177 <210> SEQ ID NO: 6
178 <211> LENGTH: 31
179 <212> TYPE: DNA
180 <213> ORGANISM: Artificial Sequence
182 <220> FEATURE:
183 <223> OTHER INFORMATION: pKOF2 primer for PCR
186 <400> SEQUENCE: 6
187 tgacatgggt gccagagaag gttctcaagg a
190 <210> SEQ ID NO: 7
191 <211> LENGTH: 838
192 <212> TYPE: DNA
193 <213> ORGANISM: Artificial Sequence
195 <220> FEATURE:
196 <223> OTHER INFORMATION: p43-specific probe for Northern blot
199 <400> SEQUENCE: 7
200 ggtcaccgct tcatgtttct ctgccgattc tggggaaaga tggcaacgaa tgatgctgtt
202 ctgaagaggc tggagcagaa ggggtgcagag gcggatcaga tcatcgaata tctcaagcag
204 cagggttgctc ttcttaagga gaaagcaatt ttgcaggcaa caatgagaga agaaaagaaa
206 cttecgagttg aaaatgctaa actgaaaaaa gaaatagaag agctaaagca agagctgatt
208 ctggcagaaa ttcataacgg agtggagcaa gtgcgtgttc gattgagtac tccactgcag
210 acgaactgta ctgcttctga aagtgtggtg cagtctccat cagtagcaac caccgcctct
212 cctgctacaa aagagcagat caaagcgggg gaagaaaaga aggtgaaaga gaagactgaa
214 aagaaaggag agaaaaagga gaagcagcag tcggcagcag caagtactga ctccaagcct
216 atcgacgcat cgcgtctgga tcttcgaatt ggttgattg ttactgcaa gaagcaccct
218 gatgcagatt cactgtatgt ggaggaagta gatgtgggag aagcagcccc gcgcacggtc
220 gtcagcgggc tggatgaatca tgttctctca gaacagatgc aaaatcgtat ggtggtttta
222 ctctgtaatc tgaagcctgc aaagatgcgg ggagttctgt ctcaagccat ggtgatgtgt
224 gccagttcac cagagaaaagt ggagattctg gccctccca acgggtccgt tcctggggac
226 agaattactt ttgatgcttt tcctggagag cctgacaagg agctaaaccc taagaaga

```

RAW SEQUENCE LISTING ERROR SUMMARY

DATE: 11/19/2004

PATENT APPLICATION: US/10/623,567

TIME: 10:41:18

Input Set : A:\CRF Sequence Listing.TXT

Output Set: N:\CRF4\11192004\J623567.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72
Seq#:3; N Pos. 73,74,75,76,77,78,79,646,647,648,649,650,651,652,653,654,655
Seq#:3; N Pos. 656,657,658,659,660,661,662,663,1212,1213,1214,1215,1216
Seq#:3; N Pos. 1217,1218,1219,1220,1221

VARIABLE LOCATION SUMMARY

PATENT APPLICATION: US/10/623,567

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Input Set : A:\CRF Sequence Listing.TXT

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Use of n's or Xaa's (NEW RULES):*Error Explanation: ✓*

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:3; N Pos. 53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72

Seq#:3; N Pos. 73,74,75,76,77,78,79,646,647,648,649,650,651,652,653,654,655

Seq#:3; N Pos. 656,657,658,659,660,661,662,663,1212,1213,1214,1215,1216

Seq#:3; N Pos. 1217,1218,1219,1220,1221

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/623,567

DATE: 11/19/2004

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Input Set : A:\CRF Sequence Listing.TXT

Output Set: N:\CRF4\11192004\J623567.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:108 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:3
L:108 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:3
L:108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
M:341 Repeated in SeqNo=3